

**MARYLAND HISTORICAL TRUST  
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes ☐  
no ☒

Property Name: Small Structure No. 10005X0 Inventory Number: F-2-112

Address: Jefferson Pike (MD 180) over Tuscarora Creek Historic district: ☐ yes ☒ no

City: Jefferson Zip Code: 21755 County: Frederick

USGS Quadrangle(s): Point of Rocks

Property Owner: SHA Tax Account ID Number: \_\_\_\_\_

Tax Map Parcel Number(s): \_\_\_\_\_ Tax Map Number: 85

Project: MD 180: Jefferson Pike Tributary to Tuscarora Creek Agency: SHA

Agency Prepared By: SHA/FHWA

Preparer's Name: Patti Kuhn Date Prepared: 03/29/2007

Documentation is presented in: \_\_\_\_\_

Preparer's Eligibility Recommendation: ☒ Eligibility recommended ☐ Eligibility not recommended

Criteria: ☐ A ☐ B ☒ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

*Complete if the property is a contributing or non-contributing resource to a NR district/property:*

Name of the District/Property: \_\_\_\_\_

Inventory Number: \_\_\_\_\_ Eligible: ☐ yes ☐ no Listed: ☐ yes ☐ no

Site visit by MHT Staff ☐ yes ☒ no Name: \_\_\_\_\_ Date: \_\_\_\_\_

Description of Property and Justification: *(Please attach map and photo)*

The culvert (Small Structure No. 10005X0) carries Jefferson Pike (MD 180) over a tributary of Tuscarora Creek east of Jefferson in Frederick County, Maryland. It is a small, arched stone culvert of an unknown date; however its construction and location suggest that it was built in the nineteenth century. The single-span semi-circular arched culvert spans 5.6 feet over the tributary and is approximately 106 feet long. The culvert is constructed of uncoursed stone and the arch is accentuated with stone voussoirs. The structure does not have a parapet or railing. The structure has four-foot high abutment walls and seven-foot long wing walls, all constructed of uncoursed stone. Currently, the structure is missing a wing wall on its southern end.

A road between Frederick and Jefferson (then Trap Town) appears as early as the late eighteenth century at this location and crossed Tuscarora Creek (Griffith 1794 Map of Maryland). When the SRC improved the Jefferson Pike in 1931, it was widened to a two-lane highway connecting Frederick to Knoxville and was renamed U.S. Route 340. In 1965, the SRC relocated U.S. 340 south of Jefferson Pike as a dual highway. At this time, the new highway replaced MD 180 as the primary route between Frederick and Knoxville. Despite the construction of the new highway, the area along MD 180 and in proximity to Small Structure No. 10005X0 has remained predominately rural.

**MARYLAND HISTORICAL TRUST REVIEW**

Eligibility recommended ☒ Eligibility not recommended ☐

Criteria: ☐ A ☐ B ☒ C ☐ D Considerations: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

MHT Comments:

Jim Stankiewicz  
Reviewer, Office of Preservation Services

B. Kuntz  
Reviewer, National Register Program

5/25/07

Date

6/18/07

Date

200701436

Although an exact construction date of the arch is unknown, the 1931 State Roads Commission highway plans for Jefferson Pike, from Frederick to Jefferson, illustrate an "existing 5' stone arch" at this location over Tuscarora Creek. The Small Structures on Maryland's Roadways Historic Context Report (Baltimore, Maryland: Parsons Brinckerhoff Quade and Douglas, Inc., 1997) states that extant stone arched culverts in the State of Maryland predominately date from the nineteenth century. Stone arches are also very rare and the majority of stone arches constructed in Maryland during the twentieth century consist of a stone veneer applied to a concrete structure. Small Structure No. 10005X0 appears to be the only stone structure along MD 180.

In 1994, the arch was in poor condition: the headwall of the northern end had broken off and fallen into the stream bank and both of the headwalls had shifted out from their original positions. The southeast wing wall was missing and a piece of the southwest wing wall had broken off into the stream. Also, the interior barrel vault of the arch had been coated with concrete. As a result, SHA made repairs to the structure in 1995. At that time, the northern headwall and abutments were repaired and repointed and the southwest wing wall was repaired. The southeast wing wall was not reconstructed as the stabilization of the slope made it unnecessary. As part of the repair process, SHA increased the height of the northern and southern head wall by three to five feet. All of the repairs to the structure were completed in-kind with materials that matched the existing historic fabric of the culvert.

The boundary for Small Structure No. 10005X0 includes the structure itself.

#### Evaluation

Small Structure No. 10005X0 retains its original location as it has carried Jefferson Pike over the tributary of Tuscarora Creek since its construction. Despite the increase in height of the head walls and the loss of the southeast wing wall, the design of the structure and the arch, its primary character-defining features, are still discernable. The rural setting of the structure has undergone few changes: the north end of the culvert opens onto farmland and the southern end is surrounded by woodland. The historic materials of the structure are evident. All repairs to the structure, including the addition to the wing walls and the repointing, were all done in-kind with similar materials. In addition, the application of concrete to the barrel vault is reversible. The stone arch, head walls, wing walls, and abutment walls remain primarily unchanged, thus the structure retains its integrity of workmanship. The structure maintains the feeling of a nineteenth-century masonry structure and maintains its association with important nineteenth-century engineering works.

Structure No. 10005X0 is eligible for listing in the National Register of Historic Places (NRHP). The small structure retains its integrity of design, materials, workmanship, association, setting, location and feeling. Based on research conducted, the structure is not associated with important events or trends in our history and is not eligible under Criterion A. It is not associated with important persons in the past and is therefore not eligible under Criterion B. It is eligible under Criterion C as an intact example of a stone arched culvert constructed during the nineteenth century. The structure was not evaluated under Criterion D.

#### MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended \_\_\_\_\_

Eligibility not recommended \_\_\_\_\_

Criteria:    A    B    C    D    Considerations:    A    B    C    D    E    F    G

MHT Comments:

\_\_\_\_\_  
Reviewer, Office of Preservation Services

\_\_\_\_\_  
Date

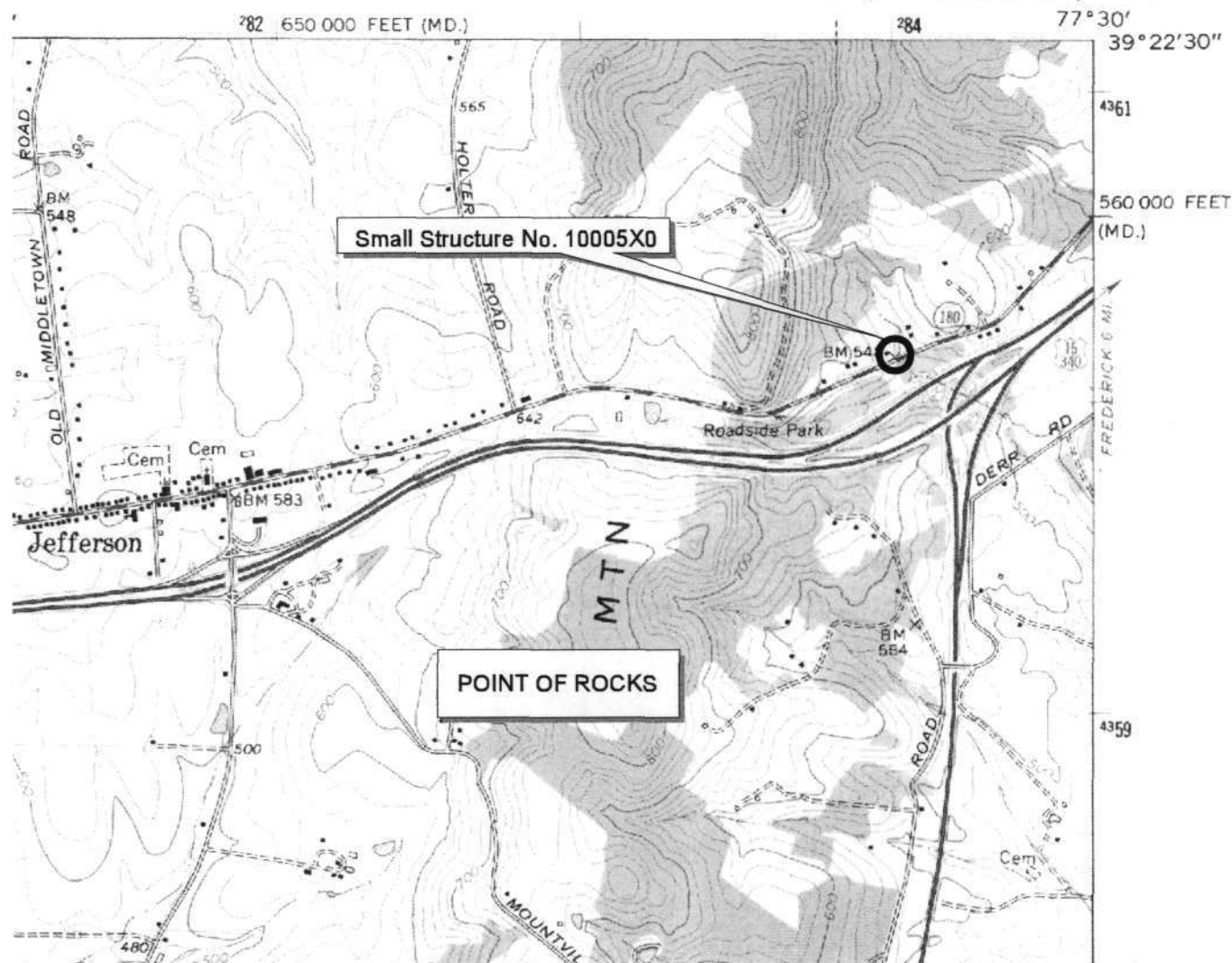
\_\_\_\_\_  
Reviewer, National Register Program

\_\_\_\_\_  
Date

# Small Structure No. 10005X0 (F-2-112)

## Frederick County, MD

### USGS Quad Point of Rocks





F-Z-112

SHIELD STRUCTURE NO. 10005-0  
MD 180 OVER ~~TECHNICAL~~ <sup>049880</sup> 4/5 (SR4 11)

FREDERICK COUNTY, MARYLAND

SHA

3/2007

3 C0 M0 Y0 D0 03/28/07

MD 3H70

SOUTH-ELEVATION COOKING - X/RT H

PHOTO 1013



F-2 - 112

Small structure No. 10008X0

MD 100 OVER TUSCALOOSA OAK

049880 3/5 (5R4 11)

FREDERICK COUNTY, MARYLAND

SHA

3/2007

2 00 10 40 00 03/28/07

SOUTH ELEVATION, LOOKING NORTH

Photo 2 of 3



F-2-112

Small Structure No. 10005X0  
MD180 OVER Tuscarora Creek

FREDERICK County, MARYLAND <sup>049880 1/5 (SR4 11)</sup>

SHA

3/2007

MDSHPO

0 C0 M0 Y0 D+1 03/28/07

SOUTH ELEVATION COOKING NORTH

Photo 3 of 3